

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1. (Previously Amended) A glass for a substrate, which consists essentially of:
in terms of weight percent

SiO₂ 40 to 59 %,

Al₂O₃ 5 to 20 %,

B₂O₃ 0 to 8 %,

MgO 0 to 10 %,

CaO 0 to 12 %,

SrO 10.6 to 20 %,

BaO 0 to 2 %,

ZnO 0 to 4 %,

Li₂O 0 to 2 %,

Na₂O 0 to 10 %,

K₂O 0 to 8 %,

TiO₂ 1 to 10 %, and

ZrO₂ 0 to 5 %,

wherein MgO + CaO + SrO + BaO is at least 15 %;

Al₂O₃ + TiO₂ is at least 11 %;

$\text{TiO}_2 + \text{ZrO}_2$ is at least 2.3 %; and which has an average linear expansion coefficient of at least $70 \times 10^{-7}/^\circ \text{C}$ within the range of 50 to 350°C .

Claim 2. (Canceled)

Claim 3. (Previously Amended) The glass for a substrate according to Claim 1, wherein $\text{BaO} + \text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O}$ is at most 14 %.

Claim 4. (Canceled)

Claim 5. (Previously Amended) The glass for a substrate according to Claim 3, wherein $\text{Li}_2\text{O} + \text{ZnO}$ is at most 2 %.

Claim 6. (Previously Amended) The glass for a substrate according to Claim 1, wherein $\text{Li}_2\text{O} + \text{ZnO}$ is at most 2 %.

Claim 7. (Canceled)

Claim 8. (Previously Amended) The glass for a substrate according to Claim 1, which has a glass transition temperature of at least 600°C .

Claim 9. (Previously Amended) A glass substrate made of the glass for a substrate as defined in Claim 1, wherein the number of attachments having sizes of at least $10 \mu\text{m}$ present on the surface of the glass substrate held in a steam atmosphere at 120°C under 2 atm for 20 hours, is not more than $1/\text{cm}^2$, and the number of attachments having sizes ranging from $1 \mu\text{m}$ to less than $10 \mu\text{m}$ so present, is not more than $10^5/\text{cm}^2$.

Claim 10. (Canceled)

Claim 11. (Previously Amended) A glass substrate made of the glass for a substrate as defined in Claim 3, wherein the number of attachments having sizes of at least $10 \mu\text{m}$ present on the surface of the glass substrate held in a steam atmosphere at 120°C under 2 atm for 20

hours, is not more than $1/\text{cm}^2$, and the number of attachments having sizes ranging from $1\ \mu\text{m}$ to less than $10\ \mu\text{m}$ so present, is not more than $10^5/\text{cm}^2$.

Claim 12. (Canceled)

Claim 13. (Previously Amended) A glass substrate made of the glass for a substrate as defined in Claim 5, wherein the number of attachments having sizes of at least $10\ \mu\text{m}$ present on the surface of the glass substrate held in a steam atmosphere at 120°C under 2 atm for 20 hours, is not more than $1/\text{cm}^2$, and the number of attachments having sizes ranging from $1\ \mu\text{m}$ to less than $10\ \mu\text{m}$ so present, is not more than $10^5/\text{cm}^2$.

Claim 14. (Previously Amended) A glass substrate made of the glass for a substrate as defined in Claim 7 ~~6~~, wherein the number of attachments having sizes of at least $10\ \mu\text{m}$ present on the surface of the glass substrate held in a steam atmosphere at 120°C under 2 atm for 20 hours, is not more than $1/\text{cm}^2$, and the number of attachments having sizes ranging from $1\ \mu\text{m}$ to less than $10\ \mu\text{m}$ so present, is not more than $10^5/\text{cm}^2$.

Claim 15. (Previously Amended) A glass substrate made of the glass for a substrate as defined in Claim 8, wherein the number of attachments having sizes of at least $10\ \mu\text{m}$ present on the surface of the glass substrate held in a steam atmosphere at 120°C under 2 atm for 20 hours, is not more than $1/\text{cm}^2$, and the number of attachments having sizes ranging from $1\ \mu\text{m}$ to less than $10\ \mu\text{m}$ so present, is not more than $10^5/\text{cm}^2$.

Claim 16. (Previously Added) The glass for a substrate according to Claim 1, wherein CaO is substantially excluded from the components of the glass.

Claim 17. (Withdrawn) A magnetic disc, which comprises:

an undercoat layer, a magnetic layer and a protective layer formed on a glass

substrate, which consists essentially of, in terms of weight percent:

SiO₂ 40 to 59 %,

Al₂O₃ 5 to 20 %,

B₂O₃ 0 to 8 %,

MgO 0 to 10 %,

CaO 0 to 12 %,

SrO 2 to 20 %,

BaO 0 to 2 %,

ZnO 0 to 4 %,

Li₂O 0 to 2 %,

Na₂O 0 to 10 %,

K₂O 0 to 12 %,

TiO₂ 0 to 10 %, and

ZrO₂ 0 to 5 %,

wherein MgO + CaO + SrO + BaO is at least 15 %.

Claim 18. (Withdrawn) The glass substrate according to Claim 17, wherein Al₂O₃ + TiO₂ is at least 11 %.

Claim 19. (Withdrawn) The glass substrate according to Claim 17, wherein BaO + Li₂O + Na₂O + K₂O is at most 14 %.

Claim 20. (Withdrawn) The glass substrate according to Claim 17, wherein Li₂O + ZnO is at most 2 %.

Claim 21. (Withdrawn) The glass substrate according to Claim 17, which has an

average linear expansion coefficient of at least $70 \times 10^{-7}/^{\circ}\text{C}$ within a range of 50 to 350°C .

Claim 22. (Withdrawn) The glass substrate according to Claim 17, which has a glass transition temperature of at least 600°C .

Claim 23. (Withdrawn) A glass substrate made of the glass for a substrate as claimed in Claim 17, wherein the number of attachments having sizes of at least $10\text{ }\mu\text{m}$ present on the surface of the glass substrate held in a steam atmosphere at 120°C under 2 atm for 20 hours, is not more than $1/\text{cm}^2$, and the number of attachments having sizes ranging from $1\text{ }\mu\text{m}$ to less than $10\text{ }\mu\text{m}$ so present, is not more than $10^5/\text{cm}^2$.

Claim 24. (Canceled)

Claim 25. (New) The glass for a substrate according to Claim 1, wherein $\text{Al}_2\text{O}_3 + \text{TiO}_2$ is at least 13 %.

Claim 26. (New) The glass for a substrate according to Claim 25, wherein $\text{Al}_2\text{O}_3 + \text{TiO}_2$ is at least 15 %.

Claim 27. (New) The glass for a substrate according to Claim 26, wherein $\text{Al}_2\text{O}_3 + \text{TiO}_2$ is at least 16 %.